

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLSVSEKEVKKEEKSEPL.....	0
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	.....	0
NTDB id 1395	DSB67	RS04445	WP 010649155.1	.....	0
NTDB id 1362	HI 1008	AAC22669.1		.....	0
NTDB id 1382	A4U84	RS07375	WP 062924234.1	.....	0
NTDB id 595	KW2	RS08725	WP 021037687.1	MEKILDKLKEYWKIM.LLVVCALIAGGIFYIFTNSPKPAETLSVEN....LSSS...STKSSVSKFNSSSSEK	65
NTDB id 521	SMSK321	RS04960	WP 000443804.1	MESIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPHTPVKETNLQAE...VVAISKDSSTEKDVKKEEKKEEPPV	69
NTDB id 493	SM12261	RS04300	WP 000387351.1	MEAIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSVSEKEVKKEEKKEEPL	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	MEAIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKKEEPL	69
NTDB id 222	SPD	RS04535	WP 000387330.1	MEAIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKKEEPL	69
NTDB id 188	SPR	RS04295	WP 000387330.1	MEAIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKKEEPL	69
NTDB id 153	SP	RS04730	WP 000387344.1	MEAIIEKIKEYKIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKEVKKEEKKEEPL	69
NTDB id 1069	ABD1	RS03060	WP 043960841.1	.....	0
NTDB id 1041	HON27	RS14740	WP 005124713.1	.....	0
NTDB id 36	MW	RS08230	WP 001793467.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNSK	80
NTDB id 20	SA	RS08005	WP 001802022.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDTALKQSTSENSSLSKLEDVQVKDGDNSK	80
NTDB id 105	BSU 25590	NP 390437.1		MNWLNQHKKAIILAASAAVFTAIMIFLATG...KNKE...PVKQAVPTE...TENTVVVKQEANNDE	57
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	.....	0
NTDB id 1127	NGFG	RS10560	WP 003703428.1	MSRGG	5
NTDB id 1126	NGFG	RS09375	WP 003703428.1	MSRGG	5
NTDB id 1125	NGFG	RS07215	WP 003703428.1	MSRGG	5
NTDB id 1108	NGFG	RS06525	WP 003703428.1	MSRGG	5
NTDB id 85550	RC37	RS08735	WP 002855574.1	.....	0
NTDB id 1242	Cj0011c	YP 002343483.1		.....	0
consensus				.....	0

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	EQDLITVDYKGAVKSPGYYLRTYKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPKGEAAV	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	MQIKT.KIVTIFLSLCLPTLPLLANAEEETAPAAQ.....	33
NTDB id 1395	DSB67	RS04445	WP 010649155.1	MKWMLTLCLLILAPMSWAE.TKTKAD.....	25
NTDB id 1362	HI 1008	AAC22669.1		MKT.L.FTSVVLGALVVSSSFEEKATXQTAQSVV.....TTQA.....	38
NTDB id 1382	A4U84	RS07375	WP 062924234.1	MKK.LSRYTFSLLFG.LFSATTFAEEKVTTSTEHTPV.....VMQQ.....	39
NTDB id 595	KW2	RS08725	WP 021037687.1	NKNEIMVDLKGAVAKPNVYQISSDERLVDLI.....RQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESS	133
NTDB id 521	SMSK321	RS04960	WP 000443804.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 493	SM12261	RS04300	WP 000387351.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 263	KZH43	RS04195	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 222	SPD	RS04535	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 188	SPR	RS04295	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 153	SP	RS04730	WP 000387344.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 1069	ABD1	RS03060	WP 043960841.1	MQYSMRFWKN...K.YFVLIMLCLGVISPSVCAQSFQDNFQEWKVKQQM..YDQK.....	49
NTDB id 1041	HON27	RS14740	WP 005124713.1	MQYSMRFWKN...K.YFVLIMLCLGVISPSVCAQSFQDNFQEWKVKQQM..YDQK.....	49
NTDB id 36	MW	RS08230	WP 001793467.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQKMFIPHKGQKNV	147
NTDB id 20	SA	RS08005	WP 001802022.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQKMFIPHKGQKNV	147
NTDB id 105	BSU 25590	NP 390437.1		SNETIVIDIKGAVQHPGVYEM.RTGDRVS.....QAI...EKAGGTSEQADEAQVNLAELIQDGTVVYIPKKGEETA	125
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	MSIRHFFT...FFWAT.....LLTLFSMQI...VFAQGGFDQQYDAW.....KTQQKAHDTR	45
NTDB id 1127	NGFG	RS10560	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1126	NGFG	RS09375	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1125	NGFG	RS07215	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1108	NGFG	RS06525	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 85550	RC37	RS08735	WP 002855574.1	MKKLLFLF..FA.....	10
NTDB id 1242	Cj0011c	YP 002343483.1		MKKLLFLF..FA.....	10
consensus				.....	10

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDDLTNVKGIG	EATVR	95
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDDLTNVKGIG	EATVR	95
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KYEGIEITVNVNSATAQEIATLLIGI	GEKKAQD	IVEYRNEHG	PFKTAADL	TKVKGIG	EATVR	87
NTDB id 1362	HI 1008	AAC22669.1	EAQVAPAVVSDKLNINTATASEIQKSL	TGIGAKKA	EAI	VQYREKHGN	FXNAE	QQLLEVQ	GIGKATLE	104
NTDB id 1382	A4U84	RS07375	WP 062924234.1	VAATQKVNAVNVNINTATASEIQDKL	VGIGAKKAQAI	IVEYREKNG	KFLNVEQ	LTEVSGIG	KATLE	104
NTDB id 595	KW2	RS08725	WP 021037687.1	SESTDSPTG...SSVSNQISTTSGPKVNINKA	DLTELQK	LTGIGQKKAQ	DI	DFRMKNGD	FKSIEDL	95
NTDB id 521	SMSK321	RS04960	WP 000443804.1	SQHTGSGAP.....SSTS	SKDKK	INLNKASLEEL	KQ	VKGLGGKRAQ	DI	95
NTDB id 493	SM12261	RS04300	WP 000387351.1	SQQAGPGTA.....SSTS	KEKKVNLN	KASLEELKQ	VKGLGGKRAQ	DI	IDHREANGK	95
NTDB id 263	KZH43	RS04195	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLN	KASLEELKQ	VKGLGGKRAQ	DI	IDHREANGK	FKSVDEL	95
NTDB id 222	SPD	RS04535	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLN	KASLEELKQ	VKGLGGKRAQ	DI	IDHREANGK	FKSVDEL	95
NTDB id 188	SPR	RS04295	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLN	KASLEELKQ	VKGLGGKRAQ	DI	IDHREANGK	FKSVDEL	95
NTDB id 153	SP	RS04730	WP 000387344.1	SQQTGSGTA.....SSTS	KEKKVNLN	KASLEELKQ	VKGLGGKRAQ	DI	IDHREANGK	95
NTDB id 1069	ABD1	RS03060	WP 043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQIHLN	QANVNEFQQ	LKGIGEKKAQAI	IVEYRQKNGS	FKNIDEI	KNVKGIG	95
NTDB id 1041	HON27	RS14740	WP 005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQIHLN	QANVNEFQQ	LKGIGEKKAQAI	IVEYRQKNGS	FKNIDEI	KNVKGIG	95
NTDB id 36	MW	RS08230	WP 001793467.1	EP....QIGVNS..VHVKNGNTNNTKVN	LNTASVSELMS	VPGVGQAKANA	IVEYRNQQGAF	QEI	IDDLKVK	95
NTDB id 20	SA	RS08005	WP 001802022.1	EP....QIEVNS..VHVKNGNTNNTKVN	LNTASVSELMS	VPGVGQAKANA	IVEYRNQQGAF	QEI	IDDLKVK	95
NTDB id 105	BSU	25590	NP 390437.1	V....QQGGGGS..V..QSDGGKGALVN	INTATLEELQ	ISGVGPSKAE	AI	IAYREENG	RFTIED	95
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LNSSASHHSLSK..P..TQQSGTG	VKNINSAT	AKELQQ	LHGVGEKKALAI	IVEYRQYQ	GKFASV	95
NTDB id 1127	NGFG	RS10560	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQNG	AFKSV	DDLIKVK	95
NTDB id 1126	NGFG	RS09375	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQNG	AFKSV	DDLIKVK	95
NTDB id 1125	NGFG	RS07215	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQNG	AFKSV	DDLIKVK	95
NTDB id 1108	NGFG	RS06525	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQNG	AFKSV	DDLIKVK	95
NTDB id 85550	RC37	RS08735	WP 002855574.1	LTAFLFGAVNINTATL	KELKS	LNGIGEAKAKA	ILEYRKE	ANFTS	IDDLKVK	95
NTDB id 1242	Cj0011c	YP 002343483.1	LTAFLFGAVNINTATL	KELKS	LNGIGEAKAKA	ILEYRKE	ANFTS	IDDLKVK	IGDKLFE	95
consensus				***! !** !*						95

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	NNAARILL	103
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	NNAARILL	103
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KNEDRILL	95
NTDB id 1362	HI 1008	AAC22669.1	KNRDRIIF	112	
NTDB id 1382	A4U84	RS07375	WP 062924234.1	KNRDCIVIE	113
NTDB id 595	KW2	RS08725	WP 021037687.1	KLKDEISID	218
NTDB id 521	SMSK321	RS04960	WP 000443804.1	KLKDYVTVD	216
NTDB id 493	SM12261	RS04300	WP 000387351.1	KLKDYVTVD	216
NTDB id 263	KZH43	RS04195	WP 000387330.1	KLKDYVTVD	216
NTDB id 222	SPD	RS04535	WP 000387330.1	KLKDYVTVD	216
NTDB id 188	SPR	RS04295	WP 000387330.1	KLKDYVTVD	216
NTDB id 153	SP	RS04730	WP 000387344.1	KLKDYVTVD	216
NTDB id 1069	ABD1	RS03060	WP 043960841.1	KNKSRLIAL	136
NTDB id 1041	HON27	RS14740	WP 005124713.1	KNKSRLIAL	136
NTDB id 36	MW	RS08230	WP 001793467.1	KLKSYFTI	228
NTDB id 20	SA	RS08005	WP 001802022.1	KLKSYFTI	228
NTDB id 105	BSU	25590	NP 390437.1	KIKSSIIVK	205
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	KNRDRLAI	128
NTDB id 1127	NGFG	RS10560	WP 003703428.1	KLKDAQSVGAPAPKGP	131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	KLKDAQSVGAPAPKGP	131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	KLKDAQSVGAPAPKGP	131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	KLKDAQSVGAPAPKGP	131
NTDB id 85550	RC37	RS08735	WP 002855574.1	KIKNDITVE	79
NTDB id 1242	Cj0011c	YP 002343483.1	KIKNDITIE	79	
consensus				***** **	

 non conserved
 similar
 $\geq 50\%$ conserved